

Claim 1, Delete “etc.”

Claim 10, delete the two “etc.” references

Claim 1, delete the parenthetical information.

Claim 10, delete the parenthetical information.

Claim 3, delete “or other protocols” and insert —and—after “ftp,” and a period after “internet”.

Claim 9, delete “like metabolic disease screening data.”

Claim 12, delete “like metabolic disease screening data into the computer server”.

Claim 1d, delete “such as an analog or digital phone line, cordless or wireless phone line, power line, fiber optic line, wireless LAN (blue tooth), satellite telephone line, internet phone,”

Claim 1e, delete “such as name, first name, mother’s name, birth date, address, in/outpatient status, patient identification, hospital identification, patent history”

Claim 7b, delete “such as service-intervals, criterion measurement methods,”

Claim 7c, change “the” to—a--.

Claim 10d, delete “such as environmental noise, probe fit, electrode impedance, signal to noise ration, etc.”

Claim 10e, delete “such as name, first name, mother’s name, birth date, address, in-outpatient status, patient identification, hospital identification, patient history, etc.”

To assist the present Examiner in locating the above corrections, marked up copies of the amended claims correcting the previous Examiner’s 35 USC 112 objections are shown below:

1. (amended) A method for audiological screening of infants and newborns employing a handheld screening device having acoustic transmitters, microphone collection means, scalp electrodes, a digital signal processor, signal transmitters, receivers and a display screen comprising:

a. generating one or more stimuli with the acoustic transmitters of the handheld screening device in each ear canal of an infant or newborn,

b. collecting any transient evoked and/or distortion product otoacoustic emission signals generated by the cochlea in each ear canal in response to the stimulus with the microphone collection means placed in the ear, and/or collecting any click or frequency stimulated brainstem response signals by placing electrodes on the scalp,

c. analyzing the response signals using binomial statistics, different artifact categories by the digital signal processor,

d. transmitting all results ("~~pass~~", "~~refer~~", "~~technical error~~") all patient related data and all measurement relevant data (~~environmental noise, probe fit, electrode impedance, signal to noise ration, etc.~~) from the handheld screening device transmitter to a patient tracking and screening system installed on a remote computer server via transmission means, ~~such as an analog or digital phone line, cordless or wireless phone line, power line, fiber optic line, wireless LAN (blue tooth), satellite telephone line, internet phone,~~ using an external or built-in modem like interface and a predefined protocol, and

e. receiving and displaying on the handheld screening device display screen all patient related data, ~~such as name, first name, mother's name, birth date, address, in/outpatient status, patient identification, hospital identification, patient history~~ directly from a patient tracking system installed on a main server via a link to the server.

2. (original) A method according to claim 1, wherein the means to transmit the frequency mixed product electric signal from the audiologic screening device to a remote computer system comprises diall-up connections using a built-in or attached analog, digital or mobile-phone modem.

3. (amended) A method according to claim 1, wherein the means to transmit the frequency mixed product electric signal from the audiologic screening device to a remote computer system comprises LAN connections to transfer and receive data in email-, ftp-, and internet or other protocols.

4. (amended) A method according to Claim 1, wherein the remote computer server receives and transmits screening and patient data via the patient tracking and screening system, which also controls the handheld screening device procedures with respect to:

- a. setting the real time clock of the screener user,
- b. providing program parameters, ~~such as service intervals, eriterions, measurement methods,~~
- c. uploading software upgrades to the a device.
- d. sending messages to the screener user, including service-issues and procedures.

5. (original) A method according to Claim 4, wherein the patient information includes a list of patients that are to be tested next, along with information on the patients required by the screening program, and other related information including known risk factors or general comments.

6. (original) A method according to Claim 1 wherein the audiologic screening device is programmable from the remote computer server.

7. (original) A method according to Claim 1, wherein the remote computer server receives and transmits screening and patient data

via the patient tracking and screening system, which also controls the handheld screening device procedures with respect to:

- a. setting the real time clock of the screener user,
- b. providing program parameters, such as service-intervals, criteria, measurement methods,
- c. uploading software upgrades to the device.
- d. sending messages to the screener user, including service-issues and procedures.

8. (original) A method according to Claim 7 wherein the service-issues are dependent on measurement results.

9. (amended) A method according to Claim 1 including combining an audiologic screening database with other newborn screening data, ~~like metabolic disease screening data,~~ and using and accessing to a commonly used database on a computer or server which generates and then stores all patient and result data for different screening methods.

10. (amended) A device for audiological screening of infants and newborns comprising:

- a. means for generating one or more stimuli with acoustic transmitters in each ear canal of an infant or newborn,
- b. means for collecting any transient evoked and distortion product otoacoustic emissions generated by the cochlea in each ear canal in response to the stimulus with microphone means for generating a frequency mixed product electric signal, and brain stem responses via scalp attached electrodes,
- c. means for analyzing the response signals using binomial statistics, different artifact categories by a digital signal processor associated with the signal collecting means,
- d. means for transmitting the results (~~“pass, refer, technical error”~~), all patient related data and all measurement relevant data ~~such as environmental noise, probe fit, electrode impedance, signal to noise ratio, etc.~~ directly from the screening device to a patient tracking system installed on a remote computer server, and
- e. means for receiving and displaying on the handheld screening device display all patient related data ~~such as name, first name, mother’s name, birth date, address, in-outpatient status, patient identification, hospital identification patient history, etc.~~ directly from a patient tracking system installed on a main server.

11. (original) A device for audiological screening of infants and newborns according to Claim 10, wherein the means for transmitting to the remote server is a modem in communication with the computer server.

12. (amended) A device for audiological screening of infants and newborns according to Claims 10, including a combined audiologic screening database with other newborn screening data, ~~like metabolic disease screening data~~ inputted into the computer server, which generates and stores all patient and result data for different screening methods.